

22577
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CIA No. 372/78
27 March 1978

MEMORANDUM FOR: Mr. Edwin Myers
USDRE/EP3
Department of Defense

SUBJECT : Soviet Direct Writing Oscillographs

1. Attached is a discussion of Soviet capability in the field of direct writing oscillographs of the type covered by IL 1572(c).

2. The attachment was prepared by [redacted]
If you have further questions, he may be reached [redacted]

[redacted]
[redacted]
Office of Economic Research

ERM 78-10197

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The Soviets have also achieved much higher capabilities in the laboratory. A 1977 article in the Soviet technical literature claimed the recording of 4 MHz signals using cathode ray tubes with fiber optic faceplates. The article did not mention whether the faceplates used microchannels for light amplification, or passive fibers to reduce light scattering. We have seen no indication that recorders using such tubes are in serial production or operational use.

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